

Appl. No. 10/061,727  
Amdt. dated Feb. 23, 2005  
RCE filed Feb. 23, 2005

### CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) An isolated polynucleotide comprising SEQ ID NO:1 wherein the nucleic acid at 1792 is A or C.
2. (Previously presented) An isolated polynucleotide comprising a nucleic acid that encodes a polypeptide comprising SEQ ID NO:2, wherein the amino acid 598 is Thr or Pro.
3. (Cancelled)
4. (Cancelled)
5. (Currently amended) An isolated polynucleotide comprising a molecule selected from the group consisting of:
  - a) A polynucleotide that encodes a polypeptide comprising amino acid residues 384-687 of SEQ ID NO:2, wherein the amino acid at 598 is Thr or Pro;
  - b) A polynucleotide that encodes a polypeptide comprising amino acid residues 379-687 of SEQ ID NO:2, wherein the amino acid at 598 is Thr or Pro;
  - c) A polynucleotide that encodes a polypeptide comprising amino acid residues 449-687 of SEQ ID NO:2, wherein the amino acid at 598 is Pro or Thr;
  - d) A polynucleotide that encodes a fragment of a polypeptide described in (a-c), wherein the fragment interacts with an IL-1R signal transduction factor;
  - e) ~~An isolated nucleic acid molecule that hybridizes to either strand of a denatured, double-stranded DNA comprising the polynucleotide of any one of c under conditions of moderate stringency in 50%~~An isolated nucleic acid molecule that hybridizes to either strand of a denatured, double-stranded DNA that encodes amino acid residues 449-687 of SEQ ID NO:2, under conditions of moderate stringency in 50% formamide and 6XSSC, at 42°C with washing conditions of 60°C, 0.5XSSC, 0.1% SDS; wherein the isolated nucleic acid encodes a polypeptide that interacts with an IL-1R signal transduction factor;

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- f) An isolated nucleic acid molecule that encodes a polypeptide that is at least 85% identical to the polypeptides described in a), b), c), wherein the polypeptide interacts with an IL-1R signal transduction factor;
  - g) A polynucleotide that is degenerate to any of the polynucleotides of a), b), c), e), f).
- 6. (Original) An expression vector comprising a polynucleotide of claim 5.
  - 7. (Original) An expression vector comprising a polynucleotide that encodes a polypeptide comprising SEQ ID NO:2, wherein the amino acid residue at 598 is Pro or Thr.
  - 8. (Cancelled)
  - 9. (Previously presented) A host cell comprising the vector of claim 6.
  - 10. (Original) A process of preparing a polypeptide, the process comprising culturing a host cell of claim 9 under conditions promoting expression of the polypeptide.
  - 11. (Original) A process of preparing a polypeptide, the process comprising culturing a host cell transformed with a vector of claim 7 under conditions promoting expression of the polypeptide.
  - 12. (Cancelled)
  - 13. (Cancelled)
  - 14. (Cancelled)